

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

an electromagnetic device body including a coil formed with a conductor wound around a bobbin and a cover member enclosing said coil; and

a cover for covering said electromagnetic device body,

wherein said cover member protects said coil from being directly subjected to molding pressure when said cover is formed by injection molding, by covering said coil.

112, 2 lack sufficient structure

2. (withdrawn): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

a bobbin; and

a conductor wound around said bobbin and coated with an outer coating,

wherein said bobbin is composed of a material having lubricating characteristics with respect to the material of said outer coating.

3. (withdrawn): An electromagnetic device according to Claim 2, wherein said bobbin is made of a polytetrafluoroethylene.

4. (withdrawn): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

a bobbin;

a conductor wound around said bobbin and coated with an outer coating; and

a material having lubricating characteristics deposited on a surface of said bobbin.

5. (withdrawn): An electromagnetic device according to Claim 4, wherein said material having lubricating characteristics is silicon.

6. (withdrawn): An electromagnetic device according to Claim 4, wherein said material having lubricating characteristics is an oil.

7. (original): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

a bobbin; and

a conductor wound around said bobbin and coated with an outer coating,


wherein the thickness of said outer coating of said conductor exceeds the size of a flash produced on said bobbin.

8. (currently amended): An electromagnetic device according to Claim 1, wherein the thickness of ~~an~~the outer coating of said conductor exceeds the size of a flash produced on said bobbin.

9. (new): An electromagnetic device according to claim 1, wherein the electromagnetic device is a motor.

10. (new): An electromagnetic device according to claim 1, wherein the electromagnetic device is a transmission control valve.

11. (new): An electromagnetic device according to claim 1, wherein the electromagnetic device is used in a case containing oil.

 12. (new): An electromagnetic device according to claim 7, wherein said outer coating comprises:

a welding layer which is made of thermoset epoxy; and

an insulative layer which is made of enamel.

13. (new): An electromagnetic device according to claim 12, further comprising:
a plurality of adjacent conductors, wherein said welding layer bonds said plurality of adjacent conductors to each other.

14. (new): An electromagnetic device used in a case containing oil, said electromagnetic device comprising:

a bobbin;

a conductor wound around said bobbin and coated with an outer coating,

wherein a tip of a flash of the bobbin does not reach the conductor due to a thickness of said outer coating.

15. (new): An electromagnetic device according to claim 1, wherein a tip of a flash of the bobbin does not reach the conductor due to a thickness of said outer coating.

16. (new): An electromagnetic device according to claim 1, further comprising:

a pair of coils opposing each other,

wherein said pair of coils are enclosed by the cover member.

17. (new): An electromagnetic device according to claim 1, wherein said cover member is cylindrical in shape.

AMENDMENTS TO THE DRAWINGS

The attached five sheets of drawings include the following changes:

In Fig. 1, reference numeral “51” has been replaced with reference numeral “5”.

Fig. 3 has been corrected to show that the thickness of the outer coating of the conductor exceeds the size of the flash.

Figs. 4-8 have been designated as prior art.

Fig. 5, reference numeral 100 has been changed to reference numeral 101. Reference numeral 50 has been added

Attachment: Annotated Marked-Up Drawings
Replacement Sheets

Rejection of claims 1, 7, and 8 under 35 U.S.C. § 112

The Examiner rejected claims 1, 7, and 8 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The Examiner has indicated that the cover member of claims 1 and 8 lack sufficient structure to perform the claimed function. Applicant submits that the Examiner is narrowly construing the cover member of the present invention and that the present language of claims 1 and 8 sufficiently describe the function of the cover member of the present invention. If the Examiner maintains the rejection, Applicant respectfully requests that the Examiner clarify how the structure of the cover member can be clarified.

Applicant further submits that there are no antecedent basis issues with respect to claim 1. A *cover member* encloses the coil and a *cover* covers the electromagnetic device. Therefore “said cover member” refers to the cover member which encloses the coil.

Claim 8 has been corrected for antecedent basis issues and should now be in patentable form. The Examiner has not indicated any antecedent basis issues with respect to claim 7, therefore Applicant submits that claim 7 is in patentable form.

The Examiner rejected claim 1 under 35 U.S.C. § 102(b) as being anticipated by Shibuta et al. (USP 5512867). The Examiner rejected claims 7 and 8 under 35 U.S.C. § 103(a) as being unpatentable over Shibuta et al. in view of Ghorashi et al. (USP 5202187). Applicant submits the following in traversal of the rejections.